



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

December 13, 1989

George R. Pepper  
Bernard, Rothwell and Brown  
1700 K Street, N.W.  
Washington, D.C. 20006

Dear Mr. Pepper:

A certificate is enclosed extending the patent term (Patent No. 4,396,598) for a period of 815 days.

Sincerely,

*C.E. Van Horn*

---

Charles E. Van Horn  
Special Assistant to the Assistant  
Commissioner for Patents

Attachment

## UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE EXTENDING PATENT TERM  
UNDER 35 U.S.C. 156

Patent No. : 4,396,598  
Dated : August 2, 1983  
Inventor(s) : YOULIN LIN  
Patent Owner : MALLINCKRODT, INC.

This is to certify that there has been presented to the

## COMMISSIONER OF PATENTS AND TRADEMARKS

an application under 35 U.S.C. 156 for an extension of the patent term. Since it appears that the requirements of the law have been met, this certificate extends the term of the patent for the period of

815 DAYS

with all rights pertaining thereto as provided by 35 USC 156 (b).



I have caused the seal of the Patent and Trademark Office to be affixed this 11th day of December 1989.

A handwritten signature in cursive script, reading 'Jeffrey M. Samuels'.

Jeffrey M. Samuels  
Acting Commissioner of  
Patents and Trademarks